

FIG. 1

Organization Class Table

Entry No.	Org. Name
96	Oracle

202

FIG. 2A

Department Class Table

Entry No.	Org. Name	State
97	Administrative	CA
98	Sales	NY
99	R & D	CA

204

FIG. 2B

Person Class Table

Entry No.	Last Name	First Name	Tel. No.	State	Manager
100	Doe	John	555-1111	CA	Larry Founder
101	Smith	Jim	555-2222	NY	John Doe
102	Jones	Joe	555-3333	CA	Jim Smith
103	Founder	Larry	555-4444	CA	

208

FIG. 2C

206

**Revised Person Class Table**

Entry No.	Last Name	First Name	Tel. No.	Manager	State	Email Address
100	Doe	John	555-1111	Larry Founder	CA	jdoe
101	Smith	Jim	555-2222	John Doe	NY	
102	Jones	Joe	555-3333	Jim Smith	CA	
103	Founder	Larry	555-4444		CA	



**FIG. 3**

**Attribute Store Table**

EID	AttrName	AttrVal	AttrKind
96	Org. Name	Oracle	User
97	Dept. Name	Administration	User
97	State	CA	User
98	Dept. Name	Sales	User
98	State	NY	User
99	Dept. Name	R & D	User
99	State	CA	User
416 100	First name	John	User
418 100	Last name	Doe	User
420 100	Tel. No.	555-1111	User
422 100	Manager	Larry Founder	User
423 100	State	CA	User
101	First name	Jim	User
101	Last name	Smith	User
101	Tel. No.	555-2222	User
101	Manager	John Doe	User
101	State	NY	User
102	First name	Joe	User
102	Last name	Jones	User
102	Tel. No.	555-3333	User
102	Manager	Jim Smith	User
102	State	CA	User
103	First name	Larry	User
103	Last name	Founder	User
103	Tel. No.	555-4444	User
103	State	CA	User
446 100	Modification Timestamp	01/01/97	Operational
101	Modification Timestamp	07/01/97	Operational
102	Modification Timestamp	07/30/98	Operational
103	Modification Timestamp	01/01/98	Operational

400

**FIG. 4**

EID	AttrName	AttrVal	AttrKind
.	.	.	.
416 100	First name	John	User
418 100	Last name	Doe	User
420 100	Tel. No.	555-1111	User
422 100	Manager	Larry Founder	User
423 100	State	CA	User
446 100	<b>Modification Timestamp</b>	01/01/97	Operational
502 2	Attribute _Type	Name="First Name" Parameter=name syntax; only one first name;	User
504 2	Attribute _Type	Name="Last Name" Parameter=name syntax; only one first name;	User
506 2	Attribute _Type	Name="Tel. No." Parameter=telephone number syntax; can have up to two.	User
508 2	Attribute _Type	Name="Manager" Parameter=name syntax with first and last name; can have multiple managers.	User
509 2	Attribute _Type	Name="State" Parameter=State syntax; only one state	User
510 2	Attribute _Type	Name="Modification Timestamp" Parameter=date syntax; only one modification timestamp.	User
512 2	Object classes	Name="Person"; Mandatory Attr= "First Name", "Last Name", "Modification Timestamp"; Optional Attr= "Tel.No.", "Manager", "State"	User
514 100	Object class	Person	User
.	.	.	.

FIG. 5

**Last Name Catalog Table**

EID	AttrValue
100	Doe
103	Founder
102	Jones
101	Smith

FIG. 6A

**First Name Catalog Table**

EID	AttrValue
101	Jim
100	Joe
102	John
103	Larry

FIG. 6B

**Telephone Number Catalog Table**

EID	AttrValue
100	5551111
101	5552222
102	5553333
103	5554444

FIG. 6C

**Manager Catalog Table**

EID	AttrValue
102	joe jones
101	john doe
100	larry founder

FIG. 6D

State Catalog Table

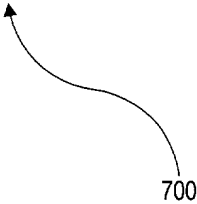
EID	AttrValue
97	CA
98	NY
99	CA
100	CA
101	NY
102	CA
103	CA

FIG. 6E

Distinguished Name Table

EID	RDN	ParentDN
96	Oracle	
97	Administration	Oracle
98	Sales	Oracle
99	R&D	Oracle
100	John Doe	Oracle.R&D
101	Jim Smith	Oracle.R&D
102	John Jones	Oracle.Sales
103	Larry Founder	Oracle.Administrative

FIG. 7



700



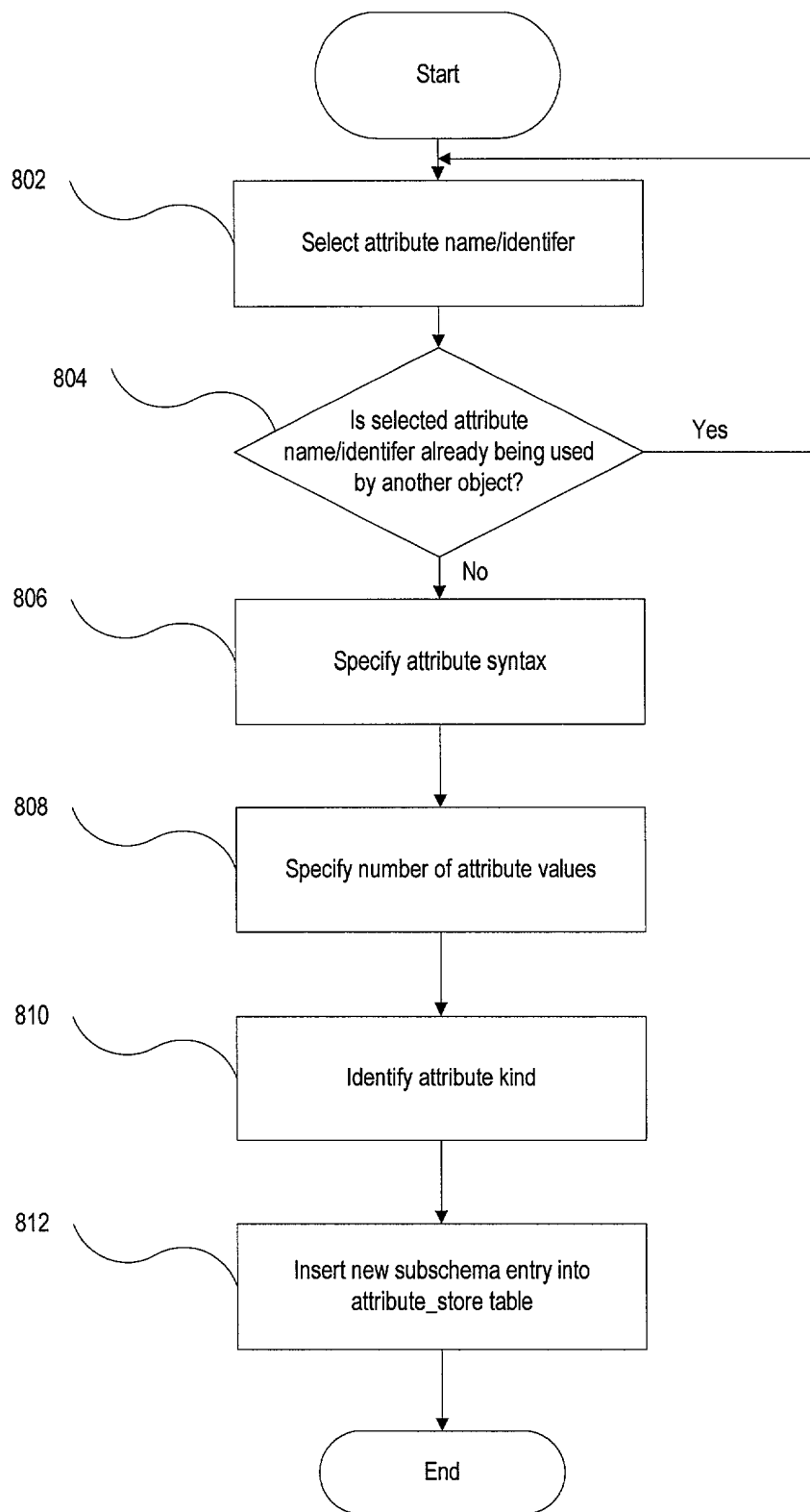


FIG. 8

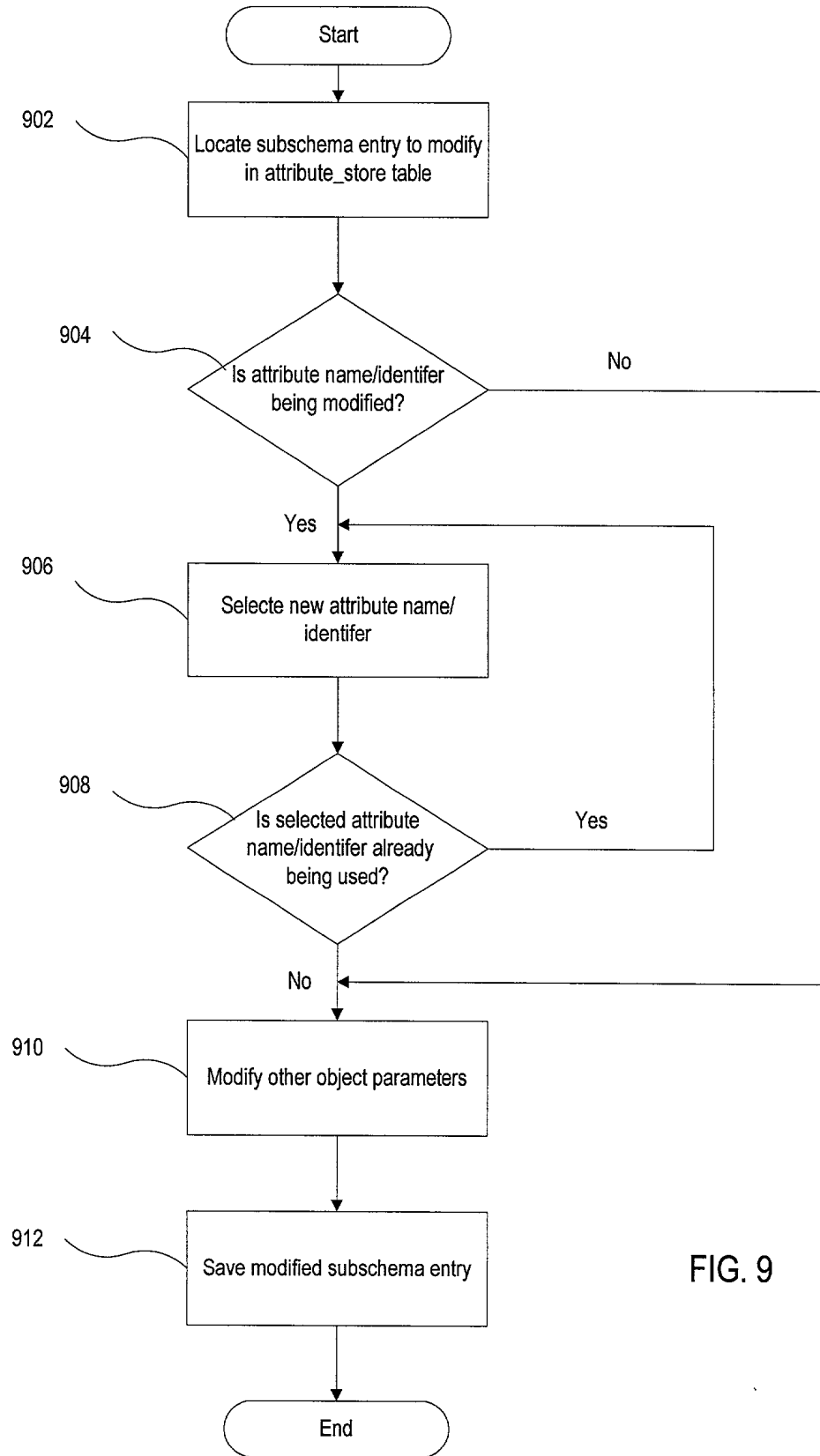


FIG. 9

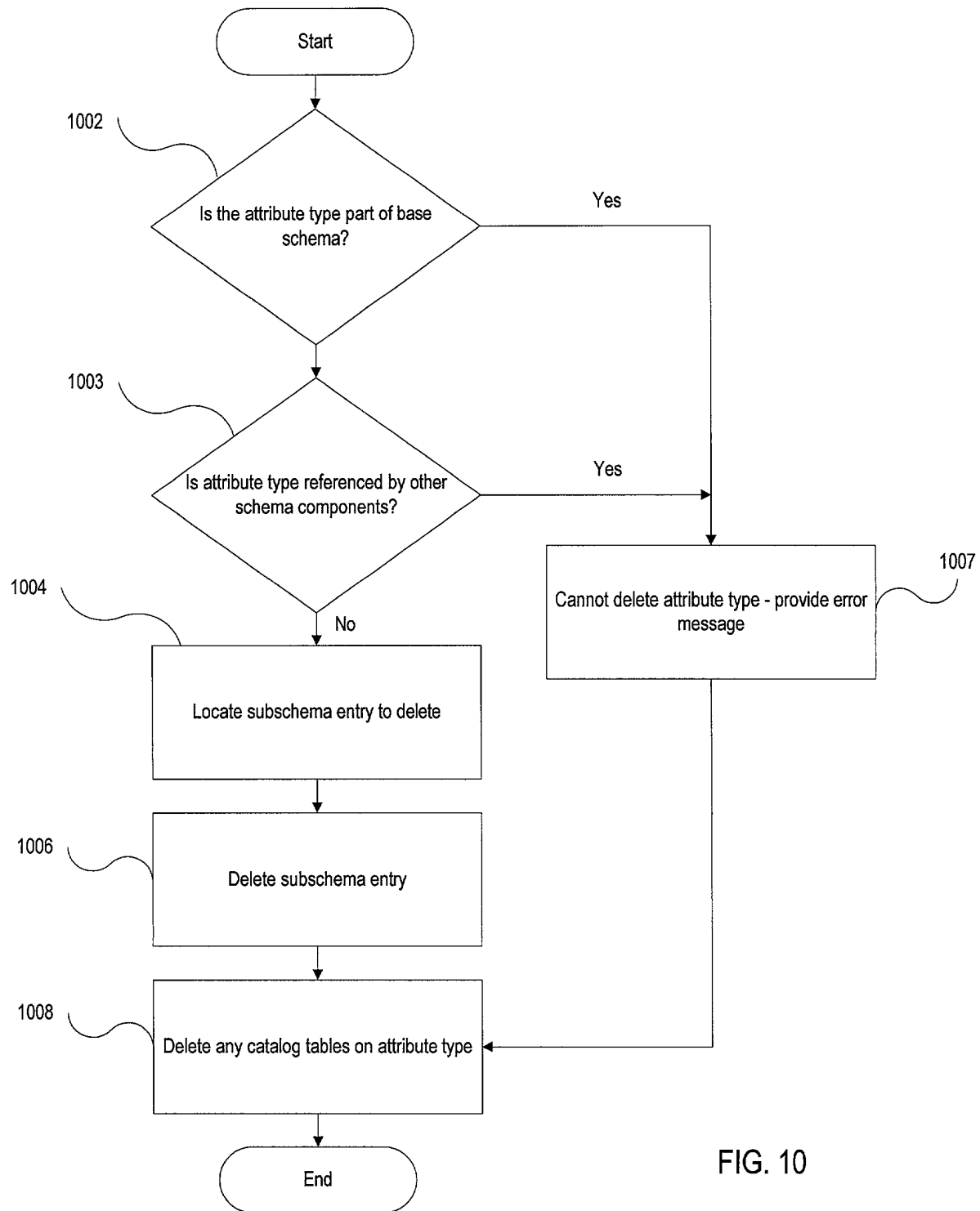


FIG. 10

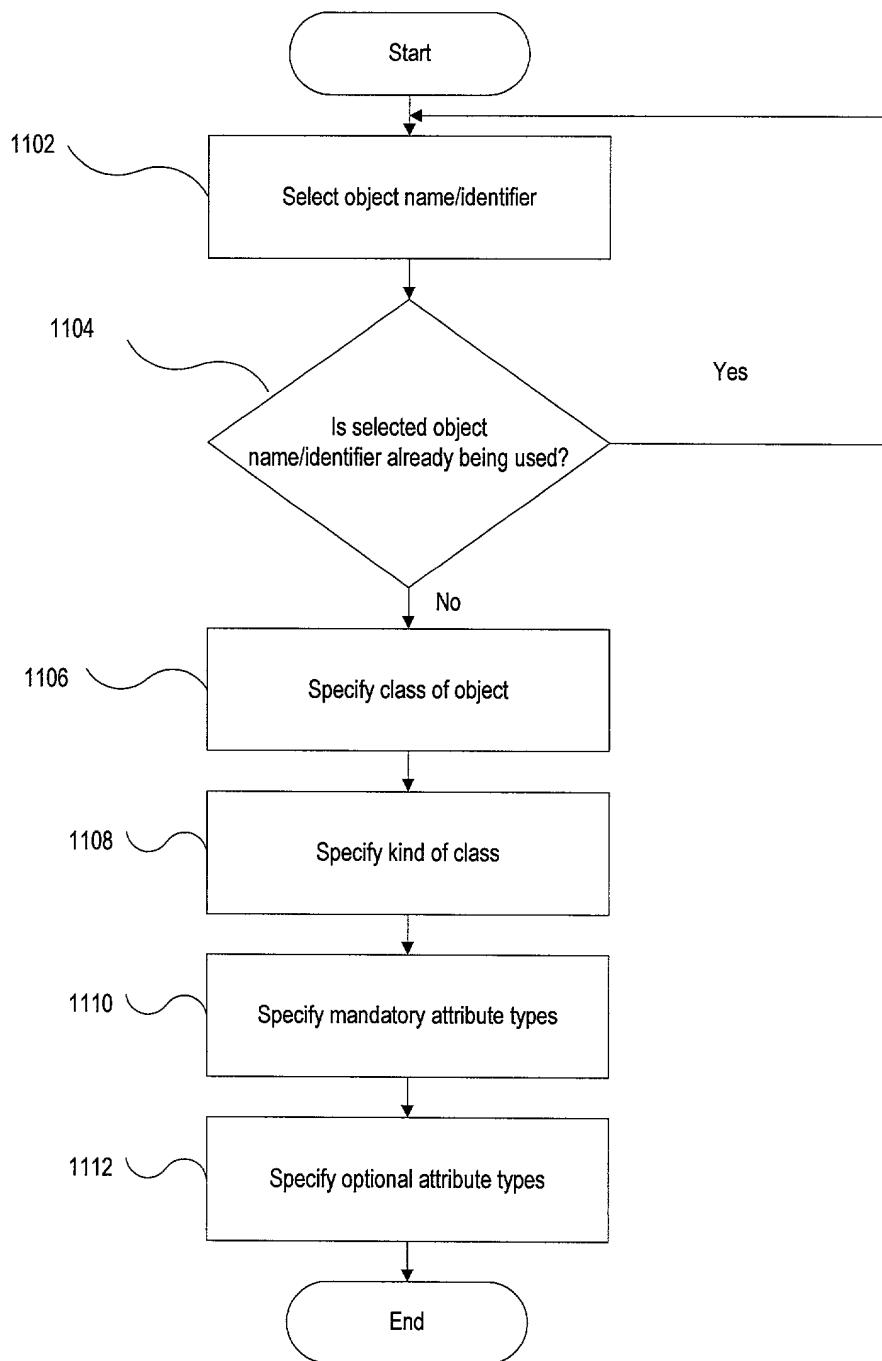


FIG. 11

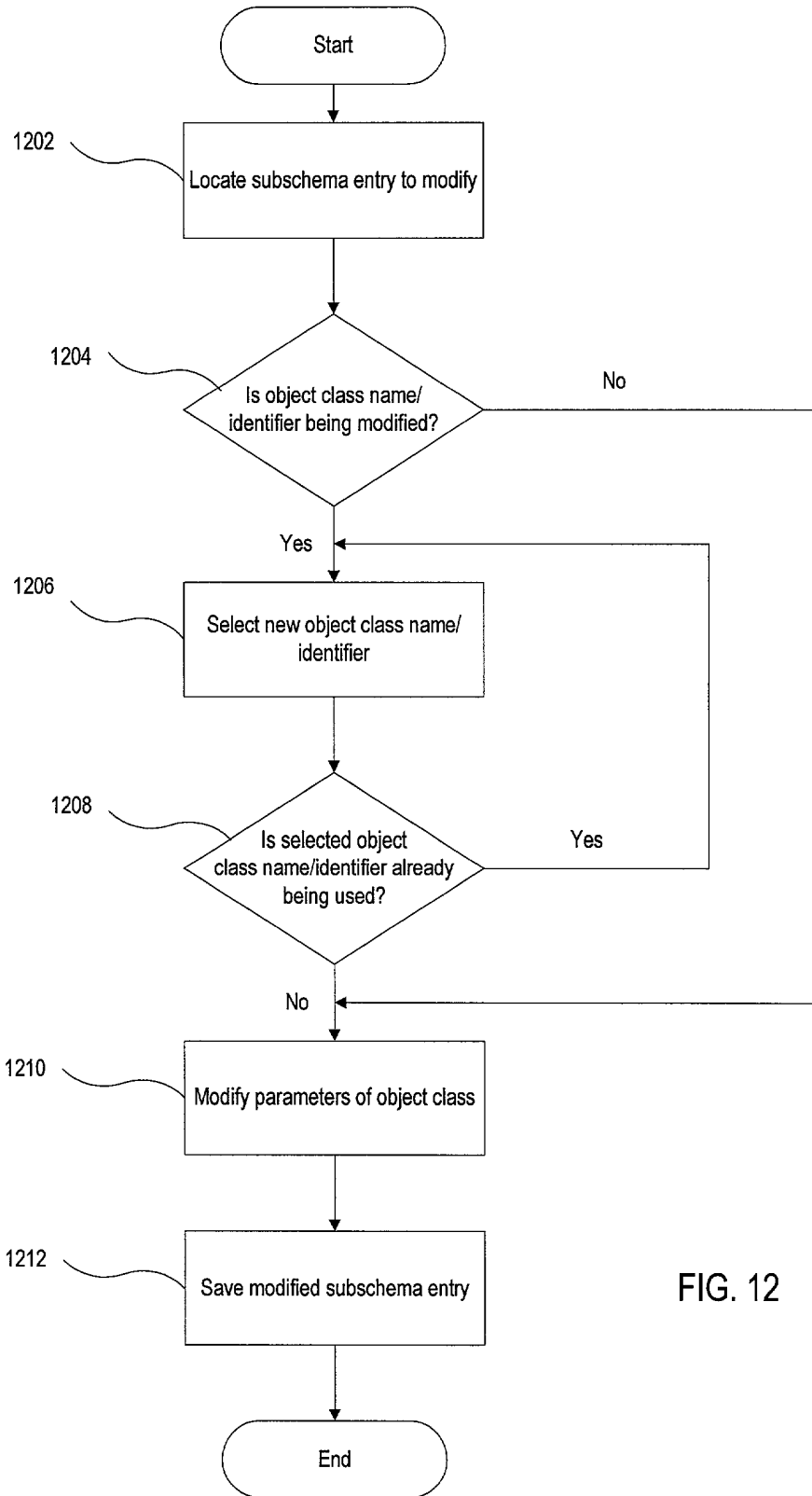


FIG. 12

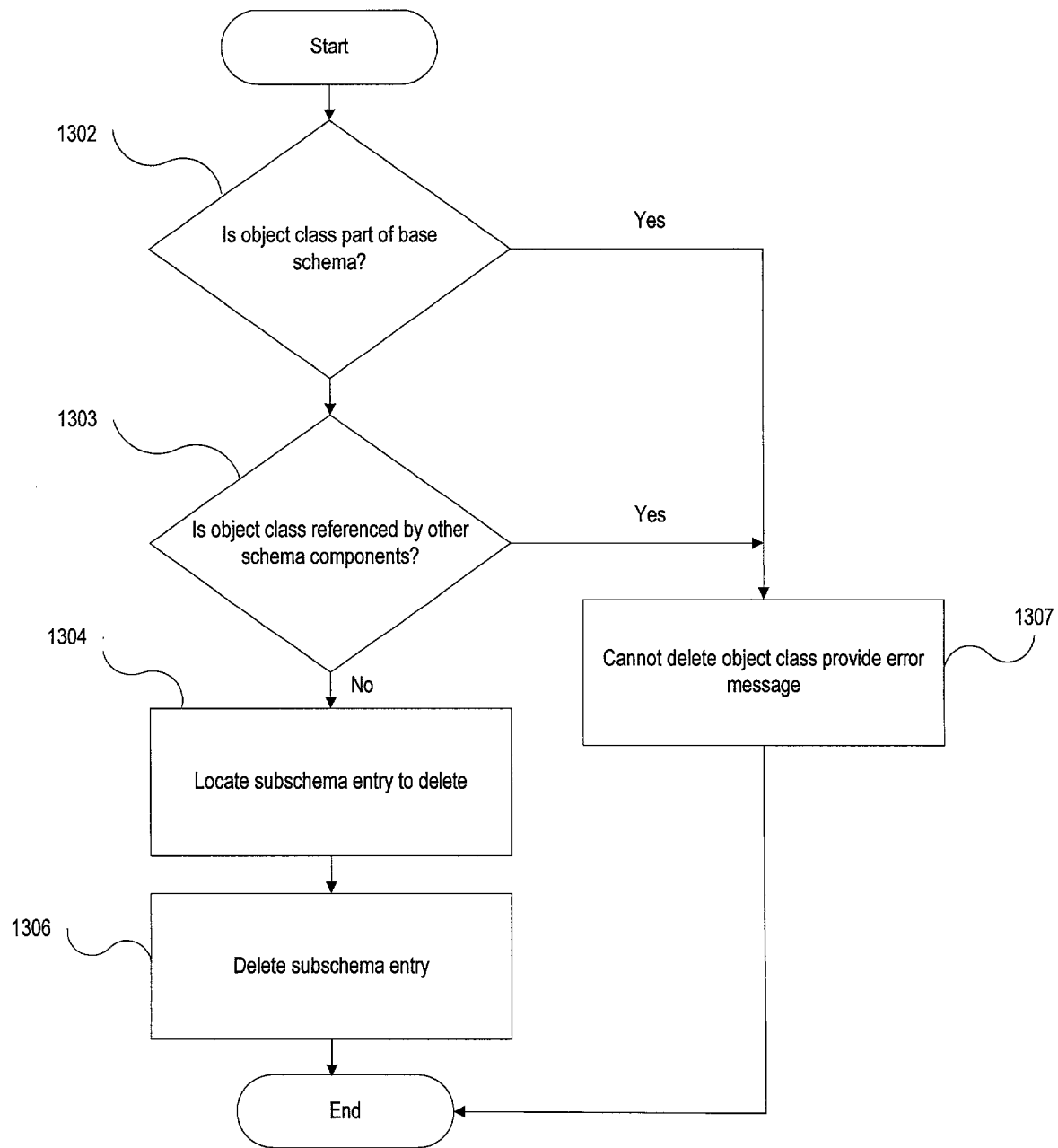


FIG. 13

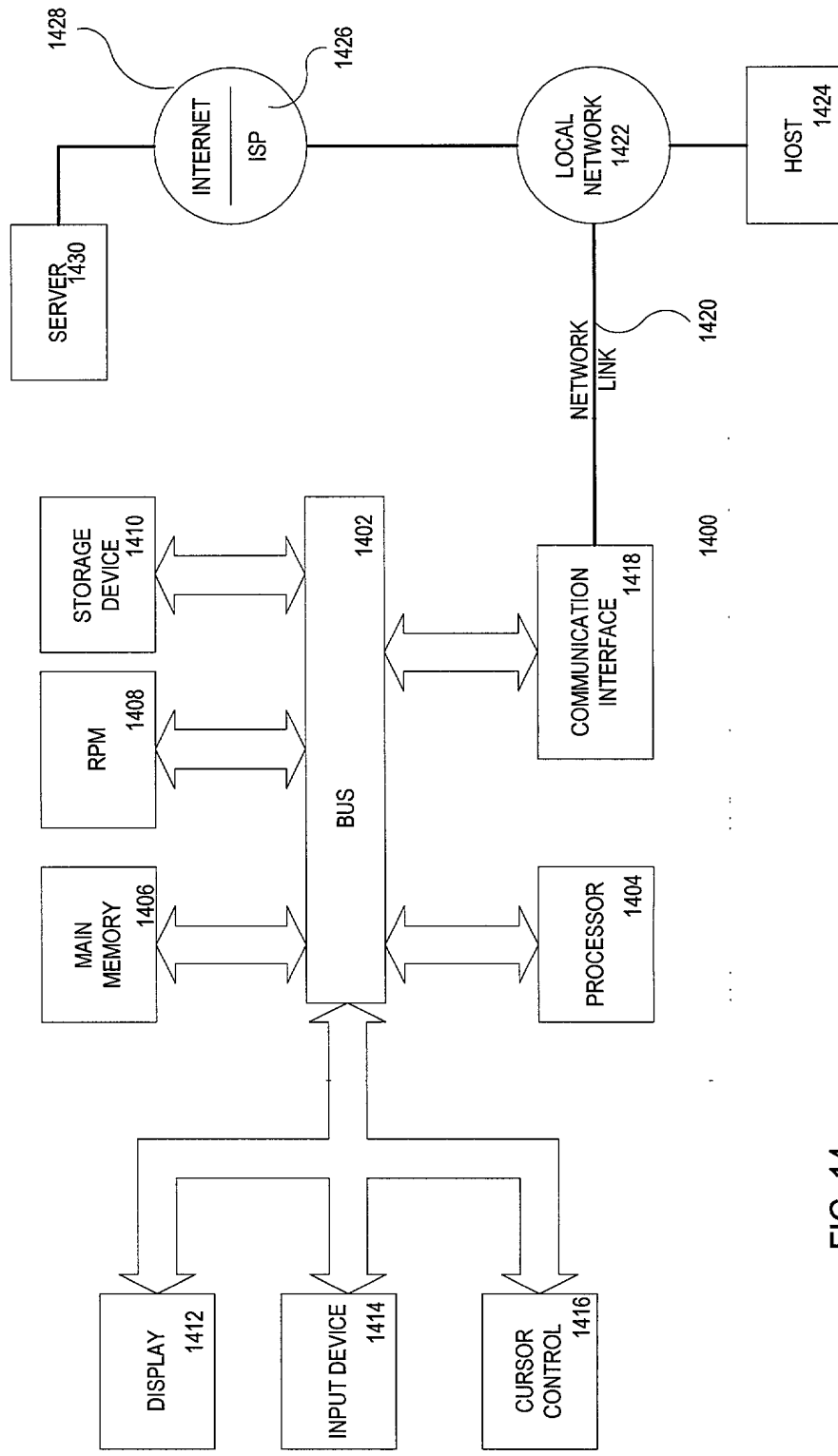


FIG. 14